

## PATENT ABSTRACTS OF JAPAN

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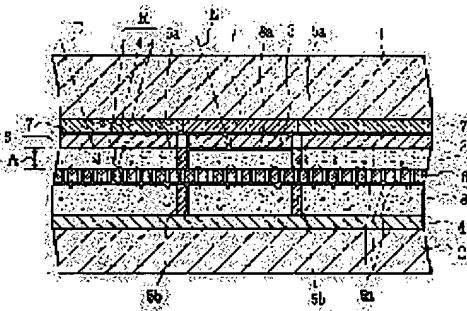
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## (54) PICTURE DISPLAY DEVICE OF ELECTRODEPOSITION TYPE

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To realize an electrodeposition (ED) type picture display device utilizing deposition of silver on a transparent working electrode and dissolution of the silver from the electrode.

**SOLUTION:** A silver salt soln. 8 is arranged between the transparent working electrode 3 made of ITO and a counter electrode 4. An unit cell corresponding to a pixel is separated from each other by partition walls 5a, 5b. A porous white background plate 6 in which large number of minute holes 6a are provided is arranged at intermediate position of the respective unit cells. The white background plate 6 is arranged with small space A,  $\leq 0.5$  mm, for example, with the working electrode 3 in order to reduce parallax between the working electrode 3 and the plate as possible and further sufficient quantity of the silver salt soln. 8 is made to be storable behind the white background plate 6. A micro color filter 7 is arranged to respective unit cells to display color image. Gradation display is executed by controlling voltage for driving respective unit cells, thereby corresponding to full colorization.



## LEGAL STATUS

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